

# R W Building Consultants, Inc.

Consulting and Engineering Services for the Building Industry  
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Florida Board of Professional Engineers Certificate of Authorization No. 9813

## Product Evaluation Report

Report No.: FL-9692.1  
Date: December 20, 2007  
Product Category: Exterior Doors  
Product sub-category: Swinging Exterior Door Assemblies  
Product Name: "H" Series Commercial  
16 Ga. Outswing Steel Door  
In A 16ga. Hollow Metal Frame  
"Impact"  
Manufacturer: Mesker Door, Inc.  
3440 Stanwood Blvd.  
Huntsville, AL 35811  
Phone 256.851.6670 Facsimile 256.851.7896

Scope: This is a Product Evaluation report issued by R W Building Consultants, Inc. and Wendell W. Haney, P.E. (System ID # 1993) for Mesker Door, Inc. based on Rule Chapter No. 9B-72.070, Method 1d of the State of Florida Product Approval, Department of Community Affairs-Florida Building Commission.

RW Building Consultants and Wendell W. Haney, P.E. do not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

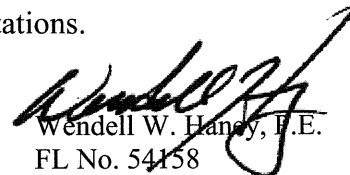
This product has been evaluated for use in locations adhering to the Florida Building Code (2004Edition)

See Drawing No. FL-9692.1 prepared by R W Building Consultants, Inc. and signed and sealed by Wendell W. Haney, P.E. (FL # 54158) for specific use parameters.

Wendell W. Haney, P.E.  
FL No. 54158  
December 20, 2007

## Limitations

1. This product has been evaluated and is in compliance with the 2004 Florida Building Code structural requirements including the "High Velocity Hurricane Zone".
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in the "High Velocity Hurricane Zone" (HVHZ) door 1, 2, 4, 5, 6, and 7 comply with Section 1626 of the Florida Building Code and do not require an impact resistant covering.
4. Site conditions that deviate from the details of drawing FL-9692.1 require further engineering analysis by a licensed engineer or registered architect.
5. This product meets the water requirements of the "HVHZ" up to a positive DP of 50 PSF. For installations where the positive DP > 50 PSF, this product does not meet the water requirements for the High Velocity Hurricane Zone (HVHZ) and the product shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.
6. See drawing FL-9692.1 for size and design pressure limitations.



Wendell W. Hansy, F.E.  
FL No. 54158  
December 20, 2007

## Supporting Documents

### A Drawing

1. Drawing No. FL-9692.1 prepared by R W Building Consultants, Inc. (Florida Board of Professional Engineers Certificate of Authorization No. 9813), signed and sealed by Wendell W. Haney, P.E.

### B Tests

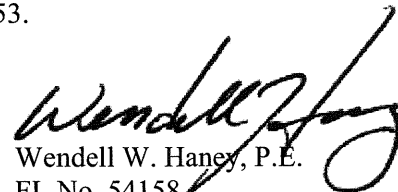
1. Testing per TAS 201-94, 202-94 & TAS 203-94 as performed by Certified Testing Laboratories and reported in test report CTLA746W, dated October 5, 2001, signed by Ramesh Patel, P.E.
2. Testing per TAS 201-94, 202-94 & TAS 203-94 as performed by Certified Testing Laboratories and reported in test report CTLA-958W, dated January 17, 2003, signed by Ramesh Patel, P.E.
3. Testing per UL 10c, UBC 7-2, UL 10b and NFPA 252 of polystyrene core door in 8'0" x 10'0" configuration per UL Certificate 121300-R12337.

### C Calculations

1. Product anchoring for tested specimens is in accordance with manufacturer's published recommendations as substantiated by tested specimens reported in test report CTLA746W and CTLA-958W and verified by calculations prepared, signed and sealed by Wendell W. Haney, P.E. Additional product anchor analysis for loading conditions prepared, signed and sealed by Wendell W. Haney, P.E.

### D Other

1. Certificate of Participation issued by National Accreditation & Management Institute, certifying that Mesker Door, Inc. is manufacturing products within a quality assurance program that complies with ISO/IEC 17020 and Guide 53.



Wendell W. Haney, P.E.

FL No. 54158

December 20, 2007